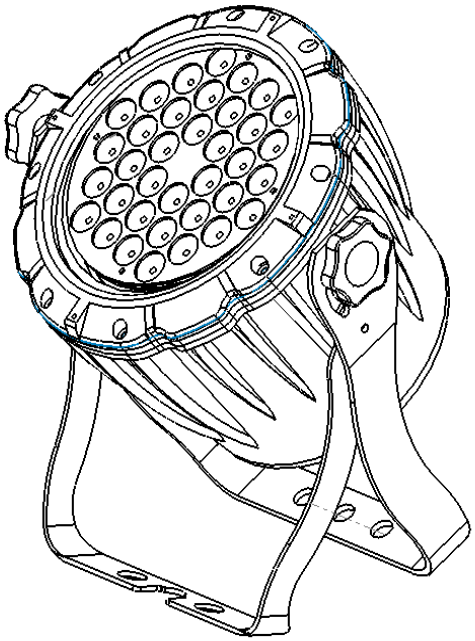
OUTDOOR LED PAR



USER MANUAL

Thank you very much for choosing our product. For safety purpose, please read this manual carefully before your operation. This manual included installation and using information. Please install and operate it according to this manual.

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Part 1 Product

1.1 Product introduction

This product is designed for indoor or outdoor use. Suitable applications include wash or effect lighting for architectural, stage or nightclub applications. This product can also be installed for use in signage and advertising using the dynamic functions available with DMX512 control. Direct input of DMX512 signal allows the units to be controlled from any DMX512 controller. This product can be operated as a single unit or in multiple units for large applications.

The specially developed controller that allows the product to be controlled independent of the DMX512 controller enables the user to create and edit a wide range of custom programs. All programs can be touch-button displayed or scheduled to START and END at scheduled times. When programs have been created or edited in the controller, it is also possible to trigger these programs using the DMX IN function when connected to a DMX512 controller.

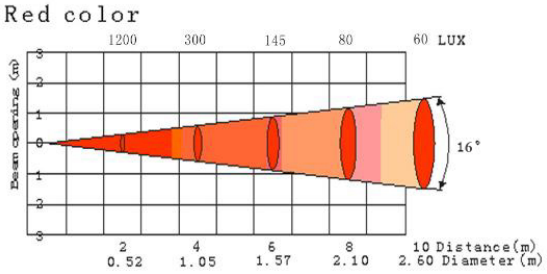
1.2 Product Features

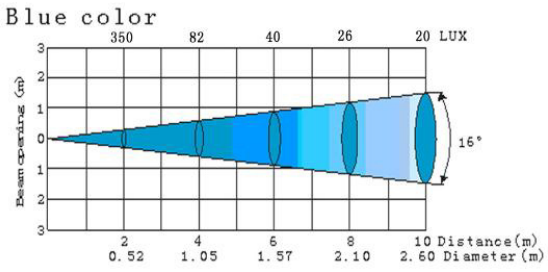
- Optical system: 1-256 grades electric adjustable, mini within 100ms
- Strobe: at same step speed adjustable strobe, random electric strobe, pulse strobe
- Cooling system: Heat cycle cooling system with strong direct air
- Operation mode: Standard DMX512 signal (9 channels)
  Intelligent IP addressing separately
  Intelligent IP group addressing
- Display panel: 4-LED digital display DMX address code, test or play auto-programs
- Auto-mode: 7 preset color change programs.
  7 program parameters changeable by DMX console
  Master/Slave mode without DMX console

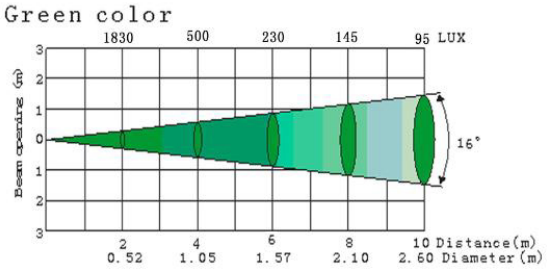
1.3 Technical Specifications

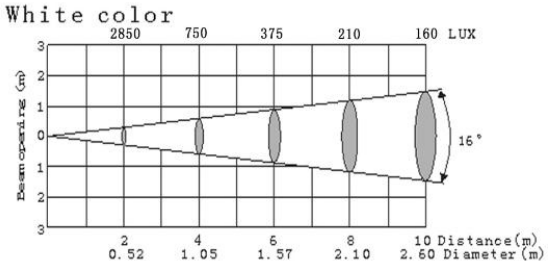
Voltage: AC90-259v, 50/60Hz
AC230V--0.2A, AC115V--0.4A
IP rating: IP66
Power: 58W
Light Source: 36 *1W LED lamp
Red 12pcs, Green 12pcs, Blue 12pcs
Lifespan: around 100,000 hours
Beam angle: 16 º（Optional 8 º、16º、25º、30 º、45º）
Net Weight：3.5Kg
Size: 235 x 165 x 300mm

1.4 Photometric Data









1.5 Safety Warning

IMPORTANT:

ALWAYS READ THE USER MANUAL BEFORE OPERATION. PLEASE CONFIRM THAT THE POWER SUPPLY STATED ON THE PRODUCT IS THE SAME AS THE MAINS POWER SUPPLY IN YOUR AREA.

--This product must be installed by a qualified professional.
--Always operate the equipment as described in the user manual.
--A minimum distance of 0.5m must be maintained between the equipment and combustible surface.
--The product must always be placed in a well ventilated area.
--Always make sure that the equipment is installed securely.
--DO NOT stand close to the equipment and stare directly into the LED light source.
--Always disconnect the power supply before attempting and maintenance.
--Always make sure that the supporting structure is solid and can support the combined weight of the products.
--The earth wire must always be connected to the ground.
--Do not touch the power cables if your hands are wet.

ATTENTION:

This product left the place of manufacture in perfect condition. In order to maintain this condition and for safe operation, the user must always follow the instructions and safety warnings described in this user manual.
Avoid shaking or strong impacts to any part of the equipment.
Make sure that al parts of the equipment are kept clean and free of dust.
Always make sure that the power connections are connected correct and secure.
If there is any malfunction of the equipment, contact your distributor immediately.
When transferring the product, it is advisable to use the original packaging in which the product left the factory.
Shields, lenses or ultraviolet screens shall be changed if they have become damaged to such an extent that their effectiveness is impaired.
The lamp (LED) shall be changed if it has become damaged or thermally deformed.

PART 2 INSTALLATION

2.1 Mounting:

2.1-1 Hanging

The LED PAR can be mounted in a hanging position using the supporting bracket. The bracket should be secured to the mounting truss or structure using a standard mounting clamp. Please note that when hanging the unit a safety cable should also be used.

2.1-2 Upright

The LED PAR can be mounted in an upright or sitting position using the supporting brackets.

NOTE:

The LED MODULE can be mounted at any angle and in any position. It is possible to further adjust the angle of the LEDMODULE using the two adjustment knobs located on the side of the fixture.

2.2 SETTING UP WITH A DMX512 CONTROLLER

2.2-1 DMX512 ADDRESSING WITHOUT ID ADDRESSING

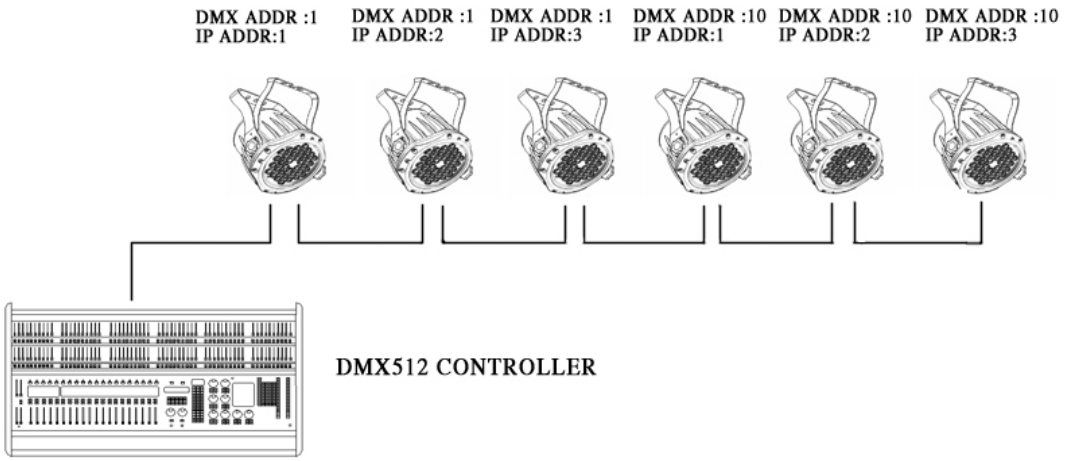
- Connect the DMX512 controller to the units in series.
- Each unit has 9 DMX channels so the DMX Addresses should increase by increments of 9 (e.g. 1,10,19,28...)
- The ID address has not been set so therefore when using the controller CH8 must be inactive (CH8=0).
- Each DMX Address may be used as many times as required.
- Any DMX address in the range from 001 to 508 may be used.

2.2-2 DMX512 ADDRESSING WITH IP ADDRESS

- Connect the DMX512 controller to the units in series
- Each unit has 9 DMX channels so the DMX Addresses should increase by increments of 9 (e.g. 1,10,19,28...)
- Each DMX Address may be used as many times as required.

- Any DMX address in the range from 001 to 508 may be used.
- Each DMX address may carry up to 64 separate IP addresses.
  IP should be set in the menu on each unit in ascending values (i.e. 1, 2, 3...)
- IP addresses are accessible from Ch9 on the DMX512 controller.

Example:

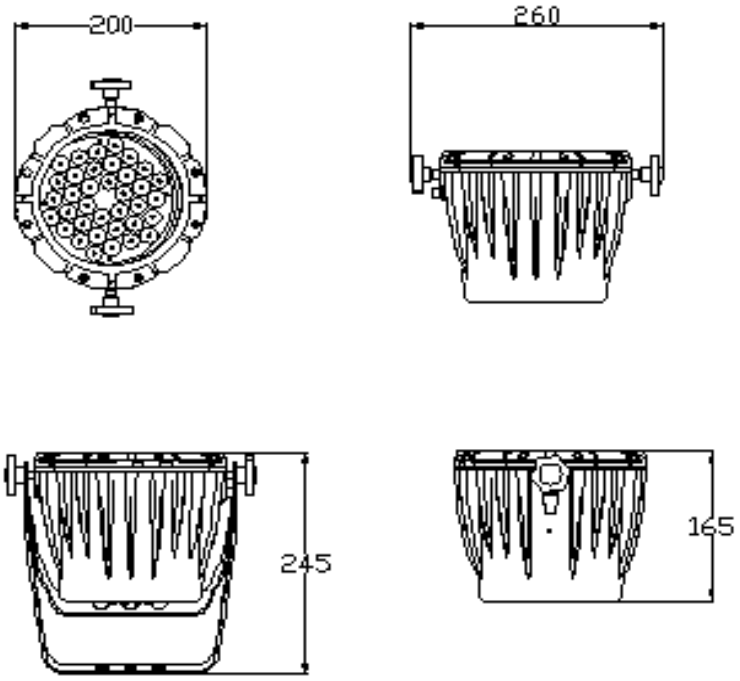


The figure above shows a simple DMX layout which has used three units at each DMX address. The three units have different IP addresses which allows the user to collectively control the whole group of units at that DMX address by settingCH9 to 0, or to control each unit independently by first selecting the DMX address and then by using CH9 to locate the target IP address

2.2-3 DMX Channel instruction

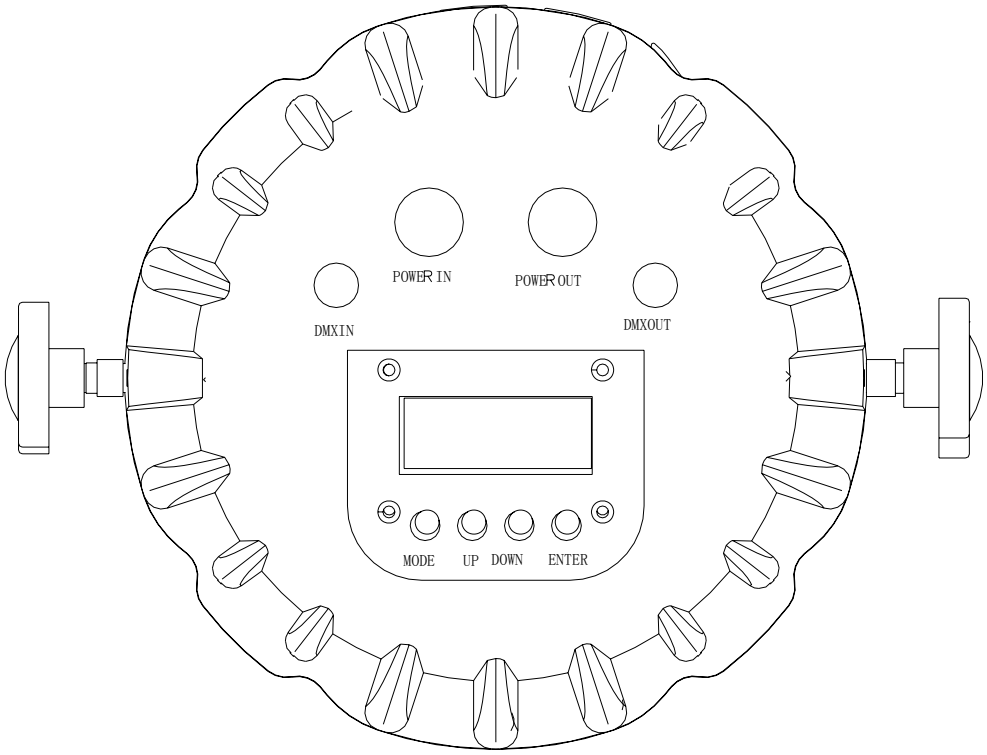
Channel	Function & Effect	DMX Value
CH1	Dimmer 0~255%	0-255
CH2	RED 0~255%	0-255
CH3	GREEN 0~255%	0-255
CH4	BLUE 0~255%	0-255
CH5	COLOR MACRO (7 preset color effect)	0-255
CH6	AUTO PROGRAMS (8 preset programs & 8 edit programs）	0-255
CH7	Strobe	0-255
CH8	Program change time Program run time	0-127 128-255
CH9	IP ADDRESS – 64 groups	0-255

2.2-4 Dimension



PART 3 Display Panel Operation

3.1 Display panel menu instruction



3.2 DMX512 address set (DMX)

* Press MODE and ENTER and then press UP/DOWN until SLAU.
* Press ENTER and display S001.
* Press UP/DOWN to select DMX address code between No. 1-255
* Press ENTER to save setting.

3.3 IP address set (IP)

* Press MODE and then press UP/DOWN until SEt.
* Press ENTER and display rd15.
* Press UP/DOWN until Id.
* Press ENTER and use UP/DOWN to select IP address code between No. 1-66
* Press ENTER to save setting.

3.4 **Auto-program parameters set (AUTO)**

***** Press MODE and ENTER and then press UP/DOWN until MASt.

* Press ENTER and display Addr.

* Use UP/DOWN until AUtO

* Press ENTER to save setting.

3.5 Scene Edit（PROG）

* Press MODE and then press UP/DOWN until Pr09.

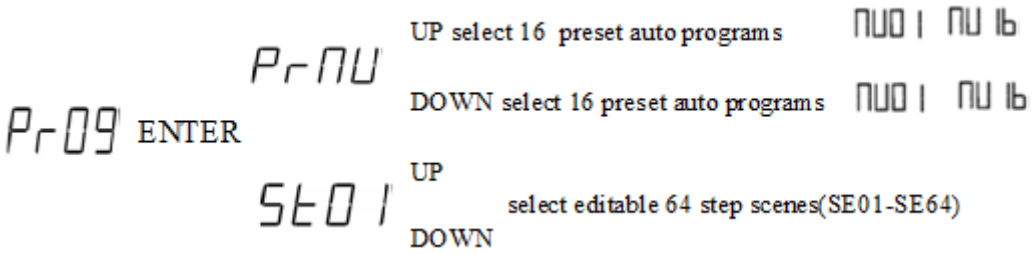
* Press ENTER and display PrnU

* Use UP/DOWN until St01 and press ENTER to display Pr91

* Press ENTER and then Pr91 will be added in St01

* Press UP/DOWN to select program to edit between [Prg1]-[Prg8]

* Press ENTER to save setting



3.6 Master / Salve machine set MASTER/SLAVE

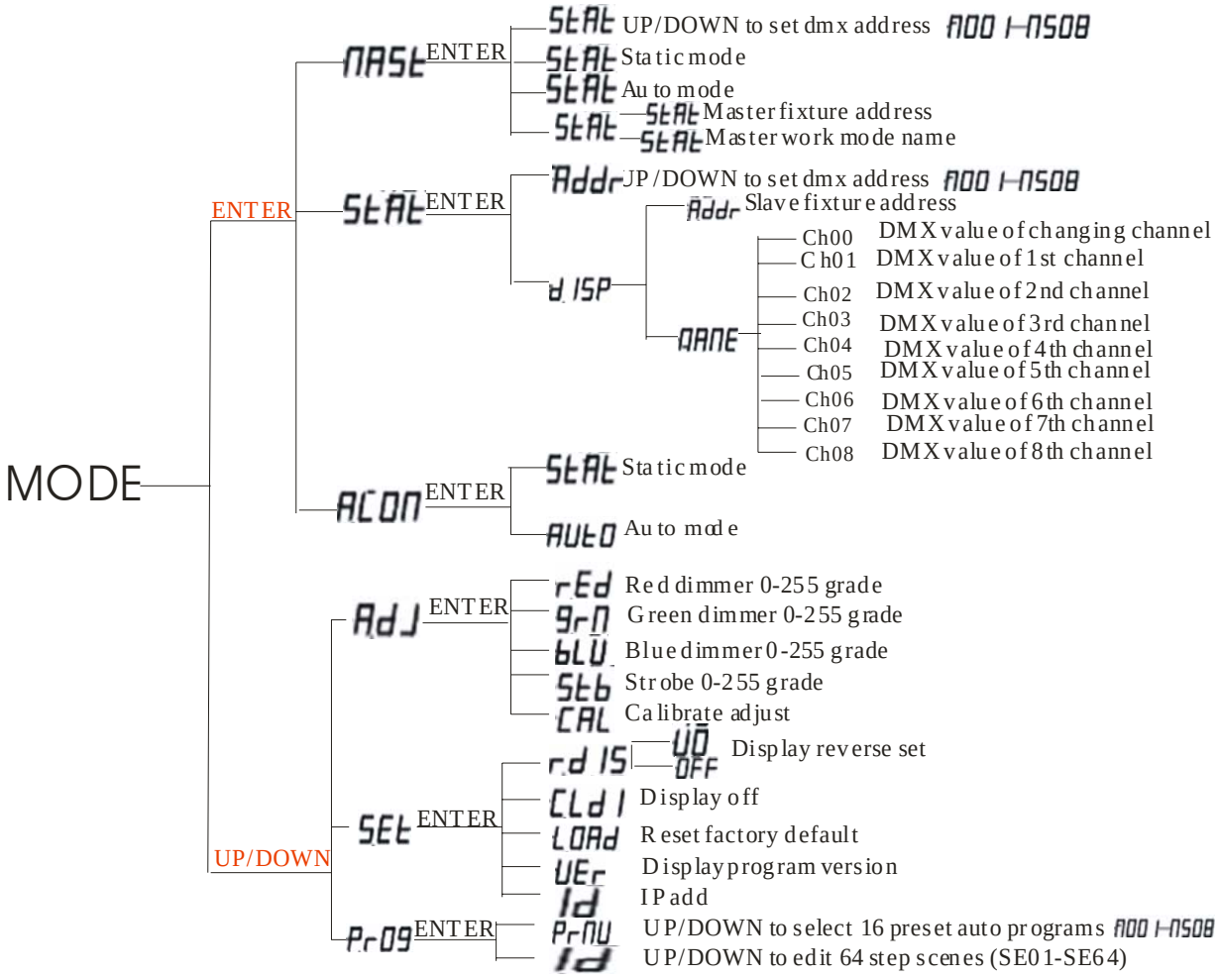
* Press MODE and ENTER and then UP/DOWN until MASt (master machine).

* Press ENTER to save setting and then set DMX address code & working mode of this fixture as master machine.

* Press MODE and ENTER and then UP/DOWN until SLAU (slave machine).

* Press ENTER to save setting and then set DMX address code & working mode of this fixture as slave machine.

3.7 Display Menu instruction (general)



MAINTENANCE